



SEQUENCE LISTING

RECEIVED  
JAN 31 2003  
TECH CENTER 1600/2900

(110) Millennium Pharmaceuticals, Inc.  
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(120) Transgenic Mice Expressing Mutant GP IIIa (beta-3) Protein

(130) MPI98-143PIUSM

(140)

(141)

(150) US 60/115,516

(151) 1998-04-15

(160) PCT/US99/08285

(161) 1999-04-15

(169) 2

(170) PatentIn. Ver. 2.1

(210) 1

(211) 66

(212) PRT

(213) Mus musculus

(220)

(221) Segment of GP IIIa beta-3 subunit

(222)

(223) Xaa can be any amino acid and may be present or missing

(400) 1

Lys Leu Leu Leu Thr Thr His Asp Arg Lys Glu Phe Ala Lys Phe Glu  
1 5 10 15

Gln Glu Arg Ala Arg Ala Lys Trp Asp Thr Ala Asn Asn Pro Leu Tyr  
20 25 30

Lys Glu Ala Thr Ser Thr Phe Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
35 40 45

Asn Ile Thr Tyr Arg Gly Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
50 55 60

Xaa Xaa

65

(410) 2

(411) 66

(412) PRT

(413) Mus musculus

(420)

<023> Segment of GP IIIa beta-6 subunit

<010>

<013> Xaa can be any amino acid and may be present or missing

<040> 1

Lys Leu Leu Val Ser Phe His Asp Arg Lys Glu Val Ala Lys Phe Glu  
1 5 10 15

Ala Glu Arg Ser Lys Ala Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr  
20 25 30

Arg Gly Ser Thr Ser Thr Phe Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
35 40 45

Asn Val Thr Tyr Lys His Arg Glu Lys Gln Lys Val Asp Leu Ser Thr  
50 55 60

Asp Cys  
61

<010> 3

<011> 66

<012> PRT

<013> Mus musculus

<020>

<023> Segment of GP IIIa beta-1 subunit

<010>

<013> Xaa can be any amino acid and may be present or missing

<040> 4

Lys Leu Leu Met Leu Ile His Asp Arg Arg Glu Glu Ala Lys Glu Glu  
1 5 10 15

Lys Glu Lys Met Asn Ala Lys Trp Asp Thr Gly Glu Asn Pro Ile Tyr  
20 25 30

Lys Ser Ala Val Thr Thr Val Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
35 40 45

Asn Pro Lys Tyr Glu Gly Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
50 55 60

Xaa Xaa  
65

<010> 4

<011> 66

<012> PRT

<013> Mus musculus

<020>

<023> Segment of GP IIIa beta-5 subunit

02200

02230 Xaa can be any amino acid and may be present or missing

04000 4

Lys Leu Leu Val Thr Ile His Asp Arg Arg Glu Phe Ala Lys Phe Gln  
1 5 10 15

Ser Glu Arg Ser Arg Ala Arg Tyr Glu Met Ala Ser Asn Pro Leu Tyr  
20 25 30

Asp Lys Pro Ile Ser Thr His Thr Val Asp Phe Thr Phe Asn Lys Phe  
35 40 45

Asn Lys Ser Tyr Asn Gly Thr Val Asp Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
50 55 60

Xaa Xaa  
65

04100 5

04110 66

04120 PRT

04130 Mus musculus

04200

04230 Segment of GP IIIa beta-3 subunit

04200

04230 Xaa can be any amino acid and may be present or missing

04000 5

Lys Ala Leu Thr His Leu Ser Asp Leu Arg Glu Tyr Arg Arg Phe Glu  
1 5 10 15

Lys Glu Lys Leu Lys Ser Gln Trp Asn Asn Asp Xaa Asn Pro Leu Phe  
20 25 30

Lys Ser Ala Thr Thr Thr Val Met Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
35 40 45

Asn Pro Lys Phe Ala Glu Ser Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
50 55 60

Xaa Xaa  
65

04100 6

04110 66

04120 PRT

04130 Mus musculus

04200

04230 Segment of GP IIIa beta-7 subunit

01200

01213 Xaa can be any amino acid and may be present or missing

01400 6

Arg Leu Ser Val Glu Ile Tyr Asp Arg Arg Glu Tyr Ser Arg Phe Glu  
1 5 10 15

Lys Glu Gln Gln Gln Leu Asn Trp Lys Gln Asp Ser Asn Pro Leu Tyr  
20 25 30

Lys Ser Ala Ile Thr Thr Thr Ile Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
35 40 45

Asn Pro Arg Phe Gln Glu Ala Asp Ser Pro Thr Leu Xaa Xaa Xaa Xaa  
50 55 60

Xaa Xaa  
65

01100 7

01110 \*5

01117 PRT

01118 Artificial Sequence

01119

01123 Description of Artificial Sequence: Consensus  
sequence for GP IIIa beta subunits

01200

01213 VARIANT

01213 (15)..(51)

01213 Xaa can be any amino acid and may be present or missing

01400 7

Lys Leu Leu Val Xaa Ile His Asp Arg Arg Glu Phe Ala Lys Phe Glu  
1 5 10 15

Xaa Glu Xaa Xaa Xaa Ala Xaa Trp Xaa Xaa Xaa Xaa Asn Pro Leu Tyr  
20 25 30

Lys Xaa Ala Xaa Xaa Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
35 40 45

Asn Xaa Xaa Tyr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
50 55 60

Xaa  
65